	Application No.	**Applicant(s)**
Notice of Allowability	09/761,342	ABRISHAMKAR, FARROKH
	Examiner	**Art Unit**	
	Richard Chang	2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *07/07/2005*.

2. ☒ The allowed claim(s) is/are *2-26, 30 and 33-36, now renumbered 1-30*.

3. ☒ The drawings filed on *16 January 2001* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
    Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

Response to Amendment

1. Applicants' amendments and arguments, see amendment, filed on *07/07/2005*, with respect to Claims 2-28 and 30-38 have been fully considered and are persuasive. The 35U.S.C. 102 rejections have been withdrawn. None of the previously cited reference teaches the amended Claims 2-26, 30 and 33-36.

Claims 1, 27-29, 31-32 and 37-38 had been cancelled.

Allowable Subject Matter

2. Claims 2-26, 30 and 33-36 are allowed.

Examiner's Statement of Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

The prior art along or in combination fails to teach or make obvious the limitations that specifically comprises:

"first means for calculating a first decision parameter representative of a quality of a signal environment through which said quick paging channel is propagating; second means for calculating a second decision parameter representative of a value of said quick paging channel signal; and third means for indicating, based on said first decision parameter and said second decision parameter, the

presence or absence of an immediately forthcoming page message on said

primary paging channel, wherein said first decision parameter is based on a pilot

signal and a carrier signal to interference ratio associated with said quick paging

channel signal" as recited in the *independent claim 2,*

"first means for extracting pilot signal and a quick paging signal from a received

signal, said quick paging signal having a slot with a first quick paging symbol and

a second quick paging symbol; second means for estimating pilot signal

strengths associated with said first quick paging symbol and said second quick

paging symbol; third means for computing page energies and pilot energies

associated with said first and second quick paging symbols; fourth means

receiving and demodulating a forthcoming primary paging signal; and fifth

means for selectively activating said fourth means, based on said pilot signal

strengths, said page energies, said pilot energies, said pilot signal, and said

paging signal" as recited in the *independent claim 13,*

"a receiver for receiving a radio frequency signal and providing a digital

baseband signal in response thereto; a received energy estimator for calculating

a first energy associated with said digital baseband signal; a pilot computation

circuit for extracting an estimate of a pilot signal from said digital baseband signal

and computing an energy estimate of said pilot signal; a despreader circuit for

extracting a quick paging channel signal component from said digital baseband

signal; a demodulator and combiner for selectively combining said quick paging

channel signal component and said pilot signal to yield a decision metric; a

detector for providing an indication of the presence or absence of an immediately

forthcoming page on a primary paging channel of said received signal based on

said decision metric" as recited in the _independent claims 23 and 26,_

"first means for analyzing a received signal and a signal environment

associated with said quick paging channel to determine if one or more symbols of

said received signal are valid and providing a first indication in response thereto

wherein said one or more symbols include a first symbol and a second symbol

and wherein said first means includes means for analyzing said signal

environment and providing a parameter indicative of said signal environment via

a pilot signal included in said received signal and second means for providing a

value indicative of a message included in said quick paging channel based on

said first indication and said one or more symbols and third means for indicating

that said first symbol and said second symbol are unreliable based on said

parameter and selectively disabling said second means in response thereto" as

recited in the _independent claim 30, and_

"a receiver circuit having an antenna and a receive chain; a pilot estimation

circuit in communication with said receiver wherein said receiver further includes

a sample Random Access Memory (RAM) connected at an output of said receive

chain, an interpolator connected at an output of said sample random access

memory, a despreading circuit wherein said despreading circuit includes a

demodulator; said sample RAM and said interpolator are included in a digital

baseband processor; and said pilot estimation circuit includes a pilot estimator in

communication with a pilot energy computation circuit; a total received energy

computation circuit in communication with said receiver; a quick paging channel

symbol combiner in communication with said pilot estimation circuit, said total

received energy computation circuit, and said receiver; and a page detector in

communication with said quick paging channel symbol combiner" as recited in

the *independent claim 36.*

Any comments considered necessary by applicant must be submitted no later than the

payment of the issue fee and, to avoid processing delays, should preferably accompany

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Richard Chang whose telephone number is (571) 272-

3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

rkc

Richard Chang
Patent Examiner
Art Unit 2663

RICKY NGO
PRIMARY EXAMINER

8/18/05